

MS-122XD PTFE Release Agent/Dry Lubricant

Description:

MS-122XD is a versatile and robust release agent / dry lubricant, which utilizes a rapidly drying, VOC exempt carrier solvent to enhance throughput and production efficiency. The formulation contains a high lubricity, low molecular weight PTFE fluoropolymer designed to not interfere with posting finishing operations. MS-122XD offers the following benefits:

- Efficient, consistent release of molded parts
- Outstanding lubricity and minimization of slip-stick
- VOC exempt formulation
- Nonflammable, Non-ozone depleting
- Non-migrating; Non-staining
- RoHS2 & RoHS3 Compliant

Release Agent Applications

MS-122XD can be used to release the following materials with virtually no transfer of the release agent:

- Plastics
- Resins
- Acrylics
- Urethanes
- Nylons
- Rubbers
- Phenolics
- Polycarbonates
- Polystyrene
- Elastomers

Dry Lubricant Applications

As a dry lubricant, MS-122XD is applicable on a variety of materials and will afford unmatched lubricity and wear resistance. These materials include:

- Metal
- Glass
- Rubber
- Wood
- Ceramics
- Elastomers
- Polycarbonates
- Elastomers

Physical Properties:

Primary Polymer	Fluoropolymer
Appearance	White particle suspension
Odor	Slight
Specific Gravity	1.25 g/mL @ 25°C

Recommended Application Procedure:

Recommended for application on molds to 212°F/100°C. Mold and then be heated up to 400°F/204°C.

1. Clean mold surface thoroughly. Mechanical cleaning followed by chemical cleaning, provides the best surface for application of 122XD. Removal of all previous mold release agent is critical.
2. Shake vigorously for one minute. Hold can approximately 6-8 inches away from a non-heated mold surface and apply a light coat of release agent.
3. Allow solvent to dry completely before molding any parts. This will ensure the most effective coating for durability and cycle life.

Reapplication:

1. When release becomes hesitant, reapply one coat of MS-122XD in the same manner as described above.

Fused Coatings Procedure (Optional)

1. After the release agent dries, heat the surface to 581°F - 590°F (measure the temperature with a thermocouple). Coating will transition from white to translucent. Maintain for 10 minutes.
2. If a white residue is left on the metal surface, buff with a soft cloth. When coating is properly fused, it is more durable.

Handling:

MS-122XD should not be used at temperatures above 260°C or near open flames. Chemical breakdown will occur which will result in the generation of toxic fumes.

Safety Data Sheet (SDS) is available upon request.

LIMITATION OF LIABILITY AND REMEDIES: Manufacturer warrants that, at the time of shipment by the Manufacturer, this product is free from defect in material and manufacture. If the product is proved to be defective, the exclusive remedy, at Manufacturer's option, shall be refund of the purchase price or replacement of the defective product, provided written notice of the defect is given no later than one year after the date of shipment by the Manufacturer. Manufacturer shall not otherwise be liable for loss or damages whether direct, indirect, incidental or consequential, regardless of the legal theory asserted, including negligence and strict liability. **Manufacturer expressly disclaims all implied warranties, including the implied warranty of merchantability and the implied warranty of fitness for a particular purpose. There are no warranties which extend beyond the description on the face hereof.**